

21 JAN 2005

10/521227

## INTERNATIONAL SEARCH REPORT

Internati	Application No
PCT/GB 03/02949	

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G02F1/025
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HEWITT P D ET AL.: "Improved modulation performance of a silicon p-i-n device by trench isolation" JOURNAL OF LIGHTWAVE TECHNOLOGY, MARCH 2001, IEEE, USA, vol. 19, no. 3, pages 387-390, XP002258534 ISSN: 0733-8724 chapter "III. DEVICE STRUCTURE" abstract; figure 1	6-16, 18-24
Y	US 6 374 001 B1 (BOZEAT ROBERT J ET AL) 16 April 2002 (2002-04-16) column 8, line 42 -column 10, line 67; figures 3-6	1-5, 17
Y		1-5, 17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the International search  21 October 2003	Date of mailing of the International search report  05/11/2003
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Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer  Wahl, M
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Form PCT/ISA/210 (second sheet) (July 1992)

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# INTERNATIONAL SEARCH REPORT

Inte...rnal application No.  
PCT/GB 03/02949

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: 26 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM "PCT/ISA/ 210"

Continuation of Box I.2

Claims Nos.: 26

Claim 26 could not be searched since it vaguely refers to the description and drawings without giving a clear and unambiguous definition of the subject matter to be claimed.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat	Application No
PCT/GB 03/02949	

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6374001	B1	16-04-2002	GB 2323450 A	23-09-1998
			CN 1257586 T	21-06-2000
			EP 0968455 A1	05-01-2000
			WO 9843128 A1	01-10-1998
			GB 2337132 A ,B	10-11-1999
			JP 2001526797 T	18-12-2001